

Amendments to the Claims

1. (Currently Amended) A method for managing memory, said method comprising the steps of:

receiving ~~[[an]] a single indication of application state from each of~~ a plurality of applications in memory, wherein each single indication provides an indication of application state for each of the plurality of applications in memory; and

determining which of the plurality of applications to effect removal from the memory based on the received single indication for each of the plurality of applications in memory.

2. (Currently Amended) The method of claim 1, wherein the step receiving ~~[[an]] a single indication of application state from each of the plurality of applications in memory~~ includes receiving ~~at least~~ one of an indication of a stateless state, an indication of a stateful state with a state record, and an indication of a stateful state with no state record.

3. (Original) The method of claim 2, wherein the step of receiving an indication of a stateless state includes receiving an indication of a state that indicates a user would perceive no significant difference between a presentation associated with one of the plurality of applications before and after removal from the memory and reloading to the memory.

4. (Original) The method of claim 2, wherein the step of receiving an indication of a stateful state with a state record includes receiving an indication of a state that indicates a user

would perceive no significant difference between a presentation associated with one of the plurality of applications before and after removal from the memory and reloading to the memory because the state is saved in the state record.

5. (Original) The method of claim 4, further including the steps of effecting the removal of the application with a stateful state with a state record and saving the state record.

6. (Original) The method of claim 5, further including, responsive to a user activating the removed application, restoring the removed application with the saved state record.

7. (Original) The method of claim 2, wherein the step of receiving an indication of a stateful state with no state record includes receiving an indication of a state that indicates a user would perceive a difference between a presentation associated with one of the plurality of applications before and after removal from the memory and reloading to the memory.

8. (Original) The method of claim 7, wherein the step of receiving an indication of a stateful state with no state record includes receiving unload information, wherein the unload information includes at least one of an unload information explanation and unload information choices.

9. (Original) The method of claim 1, wherein the step of determining includes the steps of determining that an application with a stateless state is removed before an application with a stateful state with a state record, and that a stateful state with a state record is removed before a

stateful state with no state record.

10. (Original) The method of claim 1, further including the steps of effecting the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, and effecting the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

11. (Original) The method of claim 1, further including the step of providing an explanation to a user when an application to be removed from the memory includes a stateful state with no state record, wherein the explanation informs the user the result of removing the application.

12. (Currently Amended) A method for managing memory, said method comprising the steps of:

receiving an indication that memory space is needed in memory;

receiving ~~[[an]] a single indication of application state from each of~~ a plurality of applications in memory, wherein each single indication provides an indication of application state for each of the plurality of applications in memory and, wherein the step of receiving an indication of application state includes receiving at least one of an indication of a stateless state, an indication of a stateful state with a state record, and an indication of a stateful state with no state record;

determining which of the plurality of applications to effect removal from the memory based on the received single indication for each of the plurality of applications in memory,

wherein the step of determining includes the steps of determining that an application with a stateless state is removed before an application with a stateful state with a state record, and that a stateful state with a state record is removed before a stateful state with no state record; and

effecting the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, and effecting the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

Claims 13-17. (Canceled)

18. (Currently Amended) A system for managing memory, said system comprising:

a memory with logic; and

a processor configured with the logic to

receive ~~[[an]]~~ a single indication of application state from each of a plurality of applications in memory, wherein each single indication provides an indication of application state for each of the plurality of applications in memory; and

~~wherein the processor is further configured with the logic to~~ determine which of the plurality of applications to effect removal from the memory based on the received single indication for each of the plurality of applications in memory.

19. (Currently Amended) The system of claim 18, wherein an indication of application state includes an indication of ~~at least~~ one of a stateless state, a stateful state with a state record, and a stateful state with no state record.

20. (Original) The system of claim 19, wherein the stateless state includes a state where a user would perceive no significant difference between a presentation associated with one of the plurality of applications before removal from the memory and after reloading to the memory.

21. (Original) The system of claim 19, wherein the stateful state with a state record includes a state where a user would perceive no significant difference between a presentation associated with one of the plurality of applications before removal from the memory and after reloading to the memory because the state is saved in the state record.

22. (Original) The system of claim 21, wherein the processor is further configured with the logic to effect the removal of the application with a stateful state with a state record and save the state record.

23. (Original) The system of claim 22, wherein the processor is further configured with the logic to, responsive to a user activating the removed application, restore the removed application with the saved state record.

24. (Original) The system of claim 19, wherein the stateful state with no state record includes a state where a user would perceive a difference between a presentation associated with

one of the plurality of applications before removal from the memory and after reloading to the memory.

25. (Original) The system of claim 24, wherein the processor is further configured with the logic to provide unload information, wherein the unload information includes at least one of an unload information explanation and unload information choices.

26. (Original) The system of claim 18, wherein the processor is further configured with the logic to determine that an application with a stateless state is removed before an application with a stateful state with a state record, and that a stateful state with a state record is removed before a stateful state with no state record.

27. (Original) The system of claim 18, wherein the processor is further configured with the logic to effect the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, wherein the processor is further configured with the logic to effect the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

28. (Original) The system of claim 18, wherein the processor is further configured with the logic to provide an explanation to a user when an application to be removed from the memory includes a stateful state with no state record, wherein the explanation informs the user the result of removing the application.